

1/1	GGC CTC GAG GGT ACC GAA TTC GCA CGC GCT CAG CTT AGC GAA CGC ATG ACC CTG GCC AGT	31/11
A L E G T E F A R A Q L S E R M T L A S	91/31	
61/21	GGT CTC AAG ACG AAA GTG AGC GAT ATC TTC TCT CAG GAT GGG TCC TGC CCG GCT AAT ACT	121/41
G L K T K V S D I F S Q D G S C P A N T	151/51	
181/61	GCT GCC ACG GCA GGC ATC GAG AAA GAT ACC GAC ATC AAC GGC AAG TAT GTT GCC AAG GTA	211/71
A A T A G I E K D T D I N G K Y V A K V	271/91	
241/81	ACA ACT GGT GGC ACC GCA GCT GCG TCT GGT GGT TGC ACT ATC GTT GCT ACT ATG AAA GCC	301/101
T T G G T A A S G G C T I V A T M K A	331/111	
361/121	TCT GAT GTG GCT ACT CCT CTG AGG GGG AAA ACT CTG ACT TTG ACT CTA GGA AAT GCT GAC	361/121
S D V A T P L R G K T L T L G N A D		
C Q T A T T T P		
	CCG	

Fig. 1A

1/1	GCG CTC GAG GGT ACC GAA TTC GCT CGT TCG GAA GGC GCA TCT GCT CTT GCT GTC GTC AAT
A L E G T E F A R S E G A S A L A S V N	
61/21	CCG TTG AAG ACT ACC GTT GAA GAG GCG CTT TCT CGT GGT TGG AGC GTG AAG AGC GGT ACA
P L K T T V E E A L S R G W S V K S G T	
121/41	GGT ACA GAG GAC GCT ACT AAG AAA GAG GTT CCT CTG GGG GTG GCG GCA GAT GCT AAC AAA
G T E D A T K E V P L G V A A D A N K	
181/61	CTG GGT ACT ATC GCA CTC AAA CCC GAT CCT GCT GAT GGT ACT GCA GAT ATC ACT TTG ACT
L G T I A L K P D P A D G T A D I T L T	
241/81	TTC ACT ATG GGC GGT GCA GGA CCG AAG AAT AAA GGG AAA ATT ATT ACC CTG ACT CGT ACT
F T M G G A G P K N K G K I I T L T R T	
301/101	GCA GCT GAT GGT CTC TGG AAG TGC ACC AGT GAT CAG GAT GAG CAG TTT ATT CCG AAA GGT
A A D G L W K C T S D Q D E Q F I P K G	
361/121	TGC TCT AGG
C S R	

31/11

91/31

151/51

211/71

271/91

**Fig. 1B**

1/1	GCG CTC GAG GGT ACC GAA TTC GCG CGT TCG GAA GGT GCT TCG GCG CTG GCG ACG ATC AAC	31/11
A L E G T E F A R S E G A S A L A T I N	61/21	91/31
CCG CTG AAG ACC ACT GTT GAA GAG TCG CTG CGT GGA ATT GCT GGT AGC AAA ATT AAA	121/41	151/51
P L K T T V E E S L S R G I A G S K I K	181/61	211/71
ATT GGT ACT ACT GCT TCT ACT GCG ACC GAA ACA TAT GCC GGC GTC GAG CCG GAT GCC AAC	241/81	271/91
I G T T A S T A T E T Y A G V E P D A N	301/101	331/111
AAG TTG GGT GTA ATT GCT GTA GCA ATC GAA GAT AGT GGT GCG GGT GAT ATT ACC TTT ACC	361/121	GAT AAC D N
K L G V I A V A I E D S G A G D I T F T		

Fig. 1C

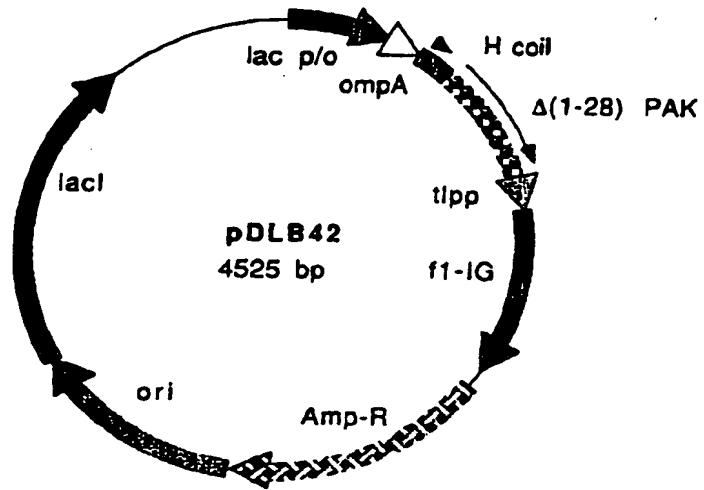
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Fig. 1D

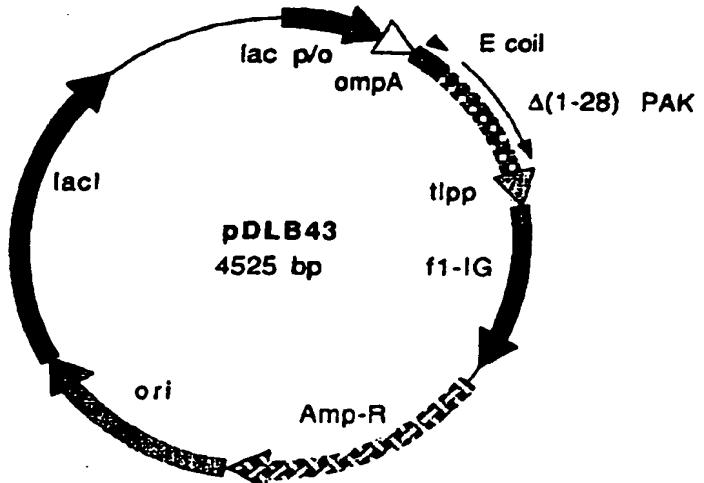
1/1	GCG CTC GAG GGT ACC GAA TTC TCT CGC TCT CAG GTC TCC AGG GTT ATG GCG GAG GCT GGC	31/11
A L E G T E F S R S Q V S R V M A E A G	91/31	
61/21	TCC TTG AAG ACT GCA GTT GAG GCC TGC CTC CAG GAT GGT CGT ACT GCT GTG GGT ACT GCT	
S L K T A V E A C L Q D G R T A V G T A		
121/41	GCT GGT CAA TGC GAT CCG GGT GCG ACG GGT TCC AGT TTG TTG ACT GGT GCT TCT CAG ACT	151/51
A G Q C D P G A T G S S L L T G A S Q T		
181/61	TCT CAA ACC CTG CCA ACC AAT ACC GGT GTT CCG CAG GAT CCT CTG ACT ACT CAA	211/71
S Q T L P T N T G V P Q V L D P L T T Q	271/91	
241/81	ACC ACT ATC ATT GCG ACT TTT GGT AAC GGC GCA TCC GCA GCT ATT TCT GGC CAG ACT CTG	
T T I A T F G N G A S A I S G Q T L		
301/101	CGT CCT AAT GGC TGT ACT GAC	331/111
R P N G C T D V N G G W S C A T T V D A K F		
361/121		

**Fig. 1E**

Y004320 "SCTEG 0260



**Fig. 2A**



**Fig. 2B**

DNA sequence 613 b.p. ttcttagataacg ...AAGAAGCTTGGG linear

86/1 116/11  
gct ctc gag cac cat cat cac cat ggt ggt ggc gag att gag gcc ctc aag gct gaa  
A L E H H H H H G G G G B I E A L K A E  
146/21 176/31  
atc gaa gcc cta aag gcc gag ata gaa gca ctt aag gca gag atc gag ggc cta aaa gcg  
I E A L K A E I E A L K A E I E A L K A  
206/41 236/51  
gaa ata gag gct ctg aag gca ggc ggt gga gga gaa ttc GCT CGT TCG GAA GGC CCA TCT  
E I E A L K A G G G G E F A R S E G A S  
266/61 296/71  
GCT CTT OCT TCG GTC AAT CCG TTG AAG ACT ACC GTT GAA GAG GCG CTT TCT CGT GGT TGG  
A L A S V N P L K T T V E E A L S R G W  
326/81 356/91  
AGC GTG AAG AGC GGT ACA GGT ACA GAG GAC GCT ACT AAG AAA GAG GTT CCT CTG GGG GTG  
S V K S G T G T E D A T K K E V P L G V  
386/101 416/111  
GCG GCA GAT GCT AAC AAA CTG GGT ACT ATC GCA CTC AAA CCC GAT CCT GCT GAT GGT ACT  
A A D A N K L G T I A L K P D P A D G T  
446/121 476/131  
GCA GAT ATC ACT TTG ACT TTC ACT ATG GGC GGT GCA GGA CCG AAG AAT AAA GGG AAA ATT  
A D I T L T F T M G G A G P K N K G K I  
506/141 536/151  
ATT ACC CTG ACT CGT ACT GCA GCT GAT GGT CTC TGG AAG TGC ACC AGT GAT CAG GAT GAG  
I T L T R T A A D G L W K C T S D Q D E  
566/161  
CAG TTT ATT CCG AAA GGT TGC TCT AGC  
Q F I P K G C S R

### Fig. 3A

DNA sequence 613 b.p. ttcttagataacg ... AAGAAGCTTGGG linear

86/1 116/11  
gct ctc gag cac cat cat cac cat ggt ggt ggc gag gta tcc gct tta gag aaa gaa  
A L E H H H H H G G G G B V S A L E K E  
146/21 176/31  
gtt tct gct ctc gaa aaa gag gtc agt gct ctg gaa aaa gag gtc tca gcc ttg gaa aag  
V S A L E K E V S A L E K E V S A L E K  
206/41 236/51  
gaa gta tca gca ctt gag aag ggc ggt gga gga gaa ttc GCT CGT TCG GAA GGC GCA TCT  
E V S A L E K G G G G B F A R S E G A S  
266/61 296/71  
GCT CTT GCT TCG GTC AAT CCG TTG AAG ACT ACC GTT GAA GAG GCG CTT TCT CGT GGT TGG  
A L A S V N P L K T T V E E A L S R G W  
326/81 356/91  
AGC GTG AAG AGC GGT ACA GGT ACA GAG GAC GCT ACT AAG AAA GAG GTT CCT CTG GGG GTG  
S V K S G T G T B D A T K K E V P L G V  
386/101 416/111  
GCG GCA GAT GCT AAC AAA CTG GGT ACT ATC GCA CTC AAA CCC GAT CCT GCT GAT GGT ACT  
A A D A N K L G T I A L K P D P A D G T  
446/121 476/131  
GCA GAT ATC ACT TTG ACT TTC ACT ATG GGC GGT GCA GGA CCG AAG AAT AAA GGG AAA ATT  
A D I T L T F T M G G A G P K N K G K I  
506/141 536/151  
ATT ACC CTG ACT CGT ACT GCA GCT GAT GGT CTC TGG AAG TGC ACC AGT GAT CAG GAT GAG  
I T L T R T A A D G L W K C T S D Q D E  
566/161  
CAG TTT ATT CCG AAA GGT TGC TCT AGC  
Q F I P K G C S R

### Fig. 3B

DNA sequence 631 b.p. ttctagataacg ... ACCAAGCTTGGG linear

86/1 116/11  
gag ctc gag cac cat cat cac cat ggt ggt ggc gag att gag gca ctc aag gct gaa  
A L S H H H H G G G G E I E A L K A E  
146/21 176/31  
atc gaa gcc cta aag gcc gag ata gaa gca ctt aag gca gag atc gag gca cta aaa gca  
I E A L K A E I E A L K A E I E A L K A  
206/41 236/51  
gaa ata gag gct ctg aag gca ggc ggt gga gaa ttc GCA CGC GCT CAG CTT AGC GAA  
G I E A L K A G G G G E F A R A Q L S E  
266/61 296/71  
CCC ATG ACC CTG GCC AGT GGT CTC AAG ACG AAA GTG AGC GAT ATC TTC TCT CAG GAT GGG  
R M T L A S G L K T K V S D I F S Q D G  
326/81 356/91  
TCC TGC CCG GCT AAT ACT GCT GCC ACG GCA GGC ATC GAG AAA GAT ACC GAC ATC AAC GGC  
S C P A N T A A T A G I E K D T D I N G  
386/101 416/111  
AAG TAT GTT GCC AAG GTA ACA ACT GGT GGC ACC GCA CCT GCG TCT GGT GGT TGC ACT ATC  
K Y V A K V T T G G T A A A S G G C T I  
446/121 476/131  
GTT GCT ACT ATG AAA GCC TCT GAT GTG GCT ACT CCT CTC ACG CGG AAA ACT CTG ACT TTG  
V A T M K A S D V A T P L R G K T L T L  
506/141 536/151  
ACT CTA GGA AAT GCT GAC AAG GGT TCT TAC ACT TGG GCC TGT ACT TCC AAC GCA GAT AAC  
T L G N A D K G S Y T W A C T S N A D N  
566/161 596/171  
AAG TAC CTG CCA AAA ACC TGC CAG ACT GCT ACC ACT ACC ACT CCG  
K Y L P K T C Q T A T T T T P

## Fig. 4A

DNA sequence 631 b.p. ttctagataacg ... ACCAAGCTTGGG linear

86/1 116/11  
gag ctc gag cac cat cat cac cat ggt ggt ggc gag gta tcc gct tta gag aaa gaa  
A L S H H H H G G G G E V S A L E K E  
146/21 176/31  
gtt tct gct ctc gaa aaa gag gtc agt gct ctg gaa aaa gag gtc tca gca ttg gaa aag  
V S A L E K E V S A L E K E V S A L E K  
206/41 236/51  
gaa gta tca gca ctt gag aag ggc ggt gga gaa ttc GCA CGC GCT CAG CTT AGC GAA  
E V S A L E K G G G E F A R A Q L S E  
266/61 296/71  
CGC ATG ACC CTG GCC AGT GGT CTC AAG ACG AAA GTG AGC GAT ATC TTC TCT CAG GAT GGG  
R M T L A S G L K T K V S D I F S Q D G  
326/81 356/91  
TCC TGC CCG GCT AAT ACT GCT GCC ACG GCA GGC ATC GAG AAA GAT ACC GAC ATC AAC GGC  
S C P A N T A A T A G I E K D T D I N G  
386/101 416/111  
AAG TAT GTT GCC AAG GTA ACA ACT GGT GGC ACC GCA GCT GCG TCT GGT GGT TGC ACT ATC  
K Y V A K V T T G G T A A A S G G C T I  
446/121 476/131  
GTT GCT ACT ATG AAA GCC TCT GAT GTG GCT ACT CCT CTC ACG CGG AAA ACT CTG ACT TTG  
V A T M K A S D V A T P L R G K T L T L  
506/141 536/151  
ACT CTA GGA AAT GCT GAC AAG GGT TCT TAC ACT TGG GCC TGT ACT TCC AAC GCA GAT AAC  
T L G N A D K G S Y T W A C T S N A D N  
566/161 596/171  
AAG TAC CTG CCA AAA ACC TGC CAG ACT GCT ACC ACT ACC ACT CCG  
K Y L P K T C Q T A T T T T P

## Fig. 4B

DNA sequence 610 b.p. ttcttagataacg ... CGAAAGCTTGGG linear

86/1 116/11  
gct ctc gag cac cat cat cac cat ggt ggt ggc gag att gag gcc ctc aag gct gaa  
A L E H H H H H G G G G S I E A L K A E  
146/21 176/31  
atc gaa gcc cta aag gcc gag ata gaa gca ctt aag gca gag atc gag gct cta aaa gct  
I E A L K A E I E A L K A E I E A L K A  
206/41 236/51  
gaa ata gag gct ctg aag gca ggc ggt gga gga gaa ttc GCG CGT TCG GAA GGT GCT TCG  
E I E A L K A G G G G E F A R S E G A S  
266/61 296/71  
GCG CTG GCG ACG ATC AAC CCG CTG AAG ACC ACT GTT GAA GAG TCG CTG TCG CGT GGA ATT  
A L A T I N P L K T T V E E S L S R G I  
326/81 356/91  
GCT GGT ACG AAA ATT AAA ATT GGT ACT ACT GCT TCT ACT GCG ACC GAA ACA TAT GCC GGC  
A G S K I K I G T T A S T A T E T Y A G  
386/101 416/111  
GTC GAG CCG GAT GCC AAC AAG TTG GGT GTA ATT GCT GTA GCA ATC GAA GAT AGT GGT GCG  
V E P D A N K L G V I A V A I E D S G A  
446/121 476/131  
GCT GAT ATT ACC TTT ACC TTC CAG ACT GGT ACC TCT ACT AGT CCC AAG AAT GCT ACT AAA GTT  
G D I T F T F Q T G T S S P K N A T K V  
506/141 536/151  
ATC ACT CTG AAC CGT ACT GCG GAT GGG GTC TGG GCT TGT AAA TCT ACC CAG GAT CCG ATG  
I T L N R T A D G V W A C K S T Q D P K  
566/161  
TTC ACT CCG AAA GGT TCT GAT AAC  
F T P X G S D N

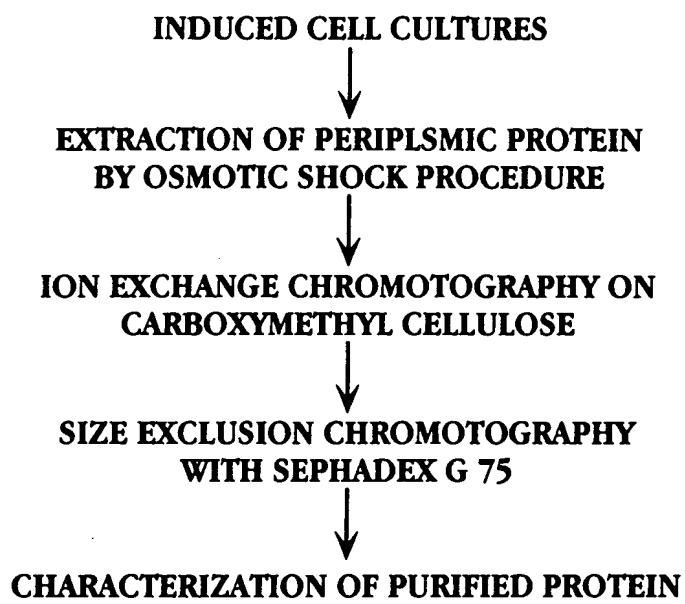
## Fig. 5A

DNA sequence 610 b.p. ttcttagataacg ... CGAAAGCTTGGG linear

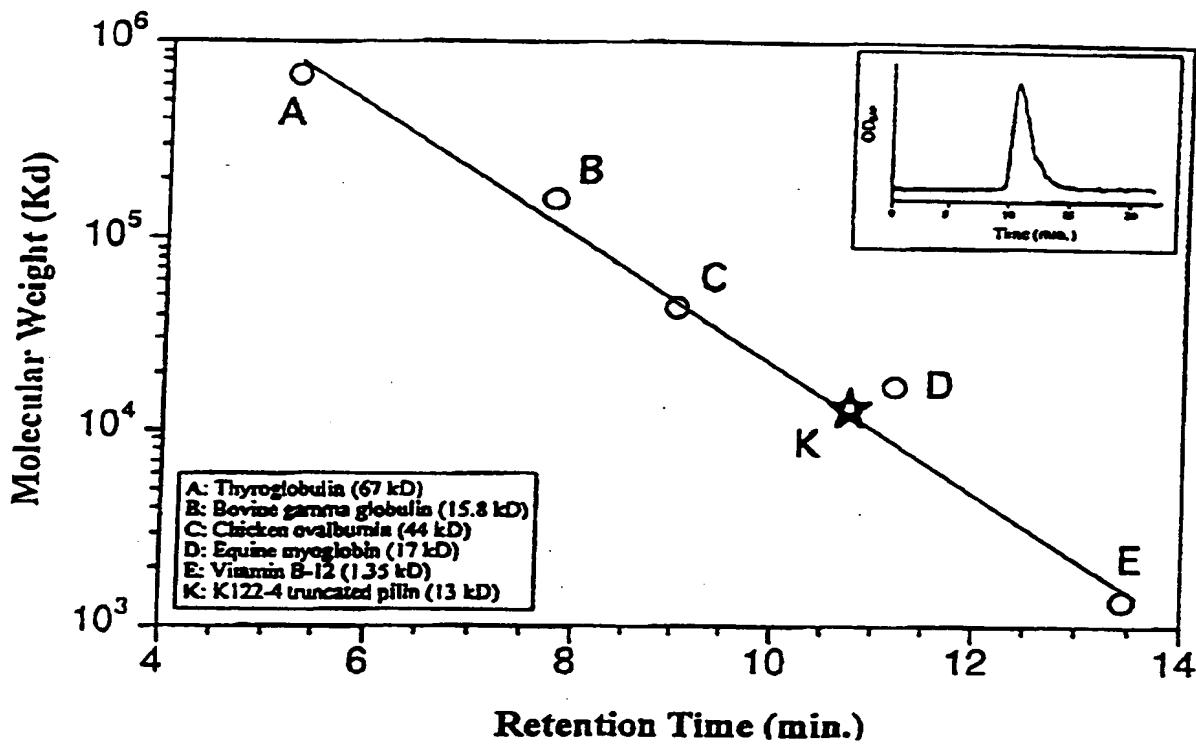
86/1 116/11  
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A L. E. H. H. H. H. G. G. G. G. E. V. S. A. L. E. K. E  
146/21 176/31  
gtt tct gct ctc gaa aaa gag gtc agt gct ctg gaa aaa gag gtg tca gcc ttg gaa aag  
V S A L E K E V S A L E K E V S A L E K  
206/41 236/51  
gaa gta tca gca ctt gag aag ggc ggt gga gga gaa ttc GCG CGT TCG GAA GGT GCT TCG  
E V S A L E K G G G G E F A R S E G A S  
266/61 296/71  
GCG CTG GCG ACG ATC AAC CCG CTG AAG ACC ACT GTT GAA GAG TCG CTG TCG CGT GGA ATT  
A L A T I N P L K T T V E E S L S R G I  
326/81 356/91  
GCT GGT ACG AAA ATT AAA ATT GGT ACT ACT GCT TCT ACT GCG ACC GAA ACA TAT GCC GGC  
A G S K I K I G T T A S T A T E T Y A G  
386/101 416/111  
GTC GAG CCG GAT GCC AAC AAG TTG GGT GTA ATT GCT GTA GCA ATC GAA GAT ACT GGT GCG  
V E P D A N K L G V I A V A I E D S G A  
446/121 476/131  
GCT GAT ATT ACC TTT ACC TTC CAG ACT GGT ACC TCT ACT AGT CCC AAG AAT GCT ACT AAA GTT  
G D I T F T F Q T G T S S P K N A T K V  
506/141 536/151  
ATC ACT CTG AAC CGT ACT GCG GAT GGG GTC TGG GCT TGT AAA TCT ACC CAG GAT CCG ATG  
I T L N R T A D G V W A C K S T Q D P K  
566/161  
TTC ACT CCG AAA GGT TCT GAT AAC  
F T P K G S D N

## Fig. 5B

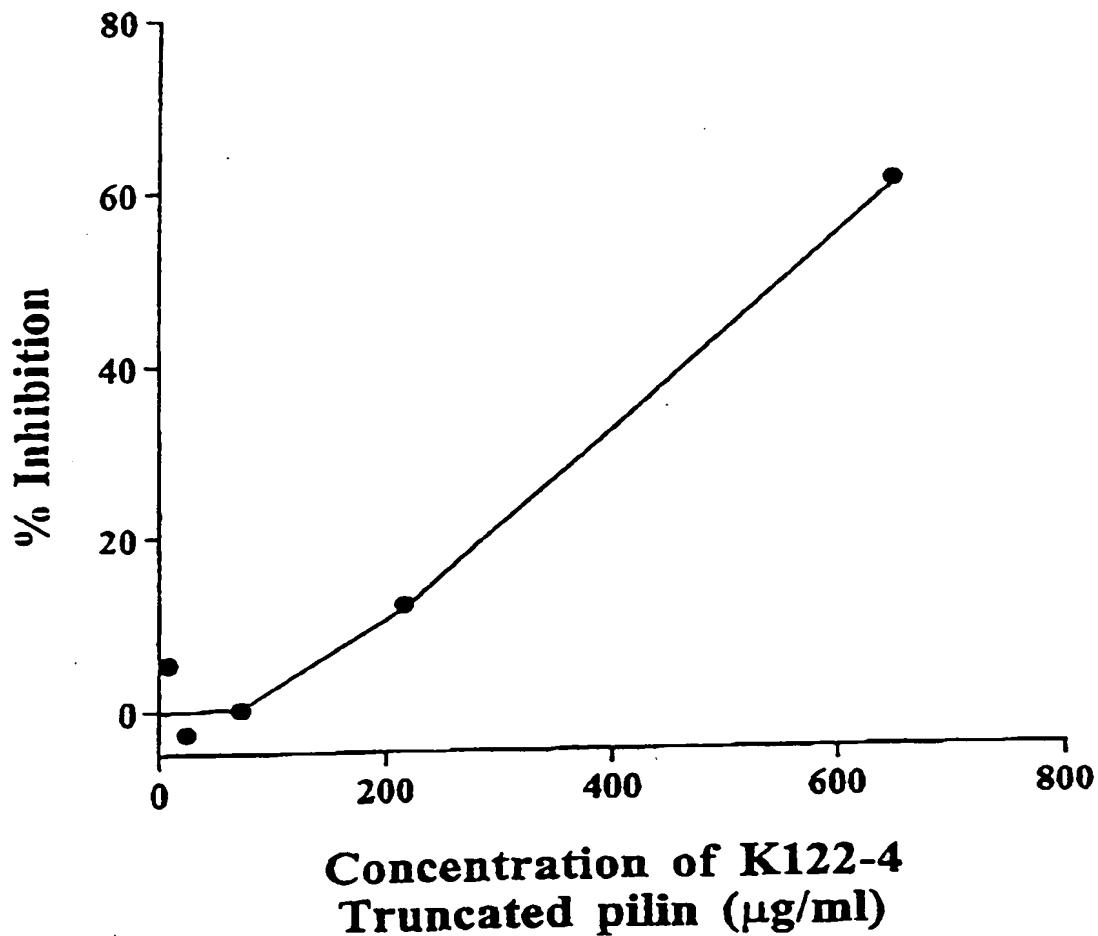
100-000-000-000-000



**Fig. 6**



**Fig. 7**



**Fig. 8**

